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PN - EP1127846 A 20010829
 PD - 2001-08-29
 PR - EP20000104101 20000228
 OPD - 2000-02-28
 TI - Process for reducing biological pollutants in a water circulation system
 AB - The invention relates to a method for reducing biological contaminants in a water-bearing system (3) that contains an installation part susceptible to corrosion (19). To reduce the biological contaminant, a biocide (11) is added to the water-bearing system (3). The concentration of said biocide is locally reduced in the vicinity of the installation part (19) susceptible to corrosion, thus producing a less corrosive effect on said installation part (19). The biocide (11) is preferably degraded by the addition of hydrogen peroxide.
 IN - SCHMITZ FRIEDHELM (DE); BARNIKEL JOCHEN DR-ING (DE); REITZNER KARL UVE DIPL-ING (DE)
 PA - SIEMENS AG (DE)
 ICO - M02F1/70 ; M02F1/72C ; M02F1/76 ; M02F1/76G ; M02F103/02B
 EC - C02F1/50 ; F28F25/00
 IC - C02F1/50 ; C02F1/72 ; C02F1/70
 CT - US 5252300 A [X]; US 5236673 A [X]; GB2289672 A [A];
 WO9304986 A [A]; EP0590184 A [A]

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TI - Reduction of biological impurities in water circulation system containing several components comprises adding biocide to water at position close to corrosion-critical component and in amount adjusted to its susceptibility to corrosion
 PR - EP20000104101 20000228
 PN - WO0164589 A1 20010907 DW 200158 C02F1/50 Ger 000pp
 - EP1127846 A1 20010829 DW 200157 C02F1/50 Ger 008pp
 PA - (SIEI) SIEMENS AG
 IC - C02F1/50 ;C02F1/70 ;C02F1/72
 IN - BARNIKEL J; REITZNER K U; SCHMITZ F; REITZNER U
 AB - EP1127846 NOVELTY - Reduction of biological impurities in a water circulation system (3) containing several components (5, 19) comprises adding biocide (11) to the water (7) at a position close to the corrosion-critical component (19) and in an amount adjusted to its susceptibility to corrosion.
 - DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for a water circulation system containing a corrosion-critical component, a biocide feed (12) and a second feed (15) for a substance which decomposes the biocide positioned before the corrosion-critical component to reduce the biocide concentration.
 - USE - In drinking water systems and in the cooling water circuits of steam turbines in power stations (claimed).
 - ADVANTAGE - Corrosion of the components in the circuit by the biocide is reduced.
 - DESCRIPTION OF DRAWING(S) - The drawing shows the cooling water circuit of a steam turbine power station.
 - Water circulation system 3
 - Water 7
 - Biocide 11
 - Biocide feed 12
 - Hydrogen peroxide feed 15
 - Condenser (corrosion-critical component) 19
 - (Dwg. 1/1)
 OPD - 2000-02-28

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DN - CN IN JP KR RU US
DS - AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR AL LI LT LV MK RO SI
AN - 2001-516327 [57]

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